

CLAIMS

1. A connector comprised of a plug having a plug housing that holds a plurality of contacts in parallel, and a receptacle having an insertion concave portion into which the plug is inserted and holding a plurality of posts in the insertion concave portion parallel to a direction perpendicular to an inserting/removing direction of the plug, and the contacts coming into contact with the posts to be electrically connected when the plug is inserted into the insertion concave portion, characterized by that

a pair of guiding portions, which uses faces arranged substantially parallel to the inserting/removing direction of the plug relative to the receptacle and arranged in a direction of arrangement of the posts as guiding faces, is provided on a member made of a metal of one of the plug and the receptacle, and

a pair of guided portions, which comes into contact with the guiding faces of the pair of guiding portions, respectively, is provided on a member made of a metal of the other of the plug and the receptacle.

2. The connector in accordance with claim 1, characterized by that

a distance between the guided faces of a pair of the guiding portions is substantially the same but smaller by a predetermined tolerance than a distance between contact faces of a pair of the guided portions in the direction of arrangement of the posts.

3. The connector in accordance with claim 2, characterized by that

a pair of the guiding portions each is a grooved notch formed substantially parallel to the inserting/removing direction of the plug, and

a pair of the guided portions each is a substantially rectangular protrusion formed in the inserting/removing direction of the plug.

4. The connector in accordance with claim 3, characterized by that

a pair of the guiding portions each uses a face, which is positioned inside in the direction of arrangement of the posts among faces of the grooved notches substantially parallel to the inserting/removing direction of the plug, as a guiding face; and

a pair of the guided portions each uses a face, which is positioned inside in the direction of arrangement of the posts among faces of the protrusions of substantially rectangular substantially parallel to the inserting/removing direction of the plug, as a guided face.

5. The connector in accordance with claim 4, characterized by that

a distance between faces, which are positioned outside in the direction of the posts among the faces of the grooved notches serving as a pair of the guiding portion substantially parallel to the inserting/removing direction of the plug, is longer by the predetermined tolerance or more than a distance between faces, which

are positioned outside in the direction of the posts among the faces of the protrusions of substantially rectangular serving as a pair of the guided portions substantially parallel to the inserting/removing direction of the plug.

6. The connector in accordance with claim 3, characterized by that

the protrusions substantially rectangular serving as a pair of guided portions are formed by cutting and rising.

7. The connector in accordance with claim 1, characterized by that

the members made of a metal of the plug and the receptacle each are a metal shell for shielding electromagnetic noise.